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LED SERIES

LED AQUA HP®

Underwater High Power RGB LED Fixture



Dive into the water with the LED AQUA HP fixtures that bring beautiful color and color changing lighting to any type of underwater locations.

The LED AQUA HP fixtures are a solution for outdoor and underwater installations. Because of the advance LED technology, the LED AQUA HP does not require filters or mechanical parts. There is no danger of overheating, the fixtures do not need servicing and last for 100,000 hours. Applications include (all outdoors/indoors use)- but not limited to- gardens, parks, fountains, aquariums, swimming pools, and ponds.

LED AQUA HP model LU-UW-PC-DIA220V-24V-PI is a high power water submersible LED lighting fixture, which is an ideal fixture for both indoor and outdoor applications requiring full color mixing capabilities, such as fountain, pool, theme park, exhibition, commercial and architectural illuminations. For best heat dissipation, the LED AQUA HP is recommended to be used underwater. LED AQUA HP has a protection rating exceeding IP68, which is suitable for submersion up to 2 meter underwater. A proprietary triple water proofing technology is used, making water intrusion impossible.



The beam angle of LED AQUA HP is 25° but other beam angles are also available. The fixture can be controlled by any DMX controller. Each unit is individually addressable and requires 3 DMX channels corresponding to red, green, and blue respectively. Full color mixing is achieved by varying intensity of each primary color. Up to 16.7 million colors can be produced.

LED AQUA HP uses the highest quality and high brightness LEDs as light source with typical LED life up to 100,000 hours. Each unit consists of 18 1.2W LEDs (6 red, 6 green, 6 blue). The LED AQUA HP circuitry is engineered to optimize both led life and performance.

A proprietary power and data distribution system is used to minimize wiring. The whole system includes a DMX controller, a switching power supply, a submersible junction box, and LED AQUA HP fixtures. The junction box dramatically reduces cable runs and provides power and data distribution. LED AQUA HP has a stainless steel / cast aluminum housing with adjustable yoke and base. The housing is designed to work in water treated with bromine and chlorine.

Specifications:

Color Range: 16.7 million colors at 24 bit RGB additive color mixing

Light Source: 18 1.2W high-powered LED

Beam Angle: 25° standard: 10, 45, 60 and 90 degrees are also available with higher lead time.

Signal transferring format: standard DMX protocol (RS485 terminal)

Control system: "DMX console + power switch + distributor" or "SRC-AI-100 Address Writer + power switch + distributor."

DMX address: Generated by SRC-AI-100 Address Writer.

Housing: stainless steel

Connector: 3-pin signal connector

Dimensions: L255xW180xH245.4mm

Operating Voltage: 24V DC

Power Consumption: 35w

Operating Temperature: -20°C - 55°C

Submersion Depth: 400mm – 2000mm

Sustainable Pressure: 0.0533 T/mm

Protection Rating: IP68 <http://www.articulight.com/acc/IPRatings.html>

Color Effects:

Fixed Color: single static color display

Color Wash: color change

Cross Change: two color cycles

Random Change: colors change in random order

Fixed Color Strobe: a rapid strong flash of light of a single color

Variable Color Strobe: a sequence of color appears in a series of strong flashes of light

Model: LA-DIA-JP- 24 V
for LED AQUA HP

COMBO OF SWITCH POWER SUPPLY CASE PLUS

DISTRIBUTOR/JUNCTION BOX; OUTPUT VOLTAGE: 24 V DC; INPUT **VOLTAGE:** 120 V or 220 V;
RUNS MAXIMUM 6 LED AQUA HP

Dimensions: 37 x 30 x 12 cm

Weight: 10 Kg



DUE TO CONTINUOUS IMPROVEMENTS, SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE.